availability in their territory and they do not agree to water surpluses as worked out by NWDA. Some States also have an apprehension that the link proposals may have adverse effects on their existing irrigation and power requirements. Efforts are being made by the National Water Development Agency (NWDA) and the Ministry of Water Resources to remove the apprehensions of the States and convince them to come to an agreement on the interlinking of rivers proposals so that preparation of Detailed Project Reports of the links is taken up.

Storage of water in Mullaperiyar Dam in **Kerala**

2967. SHRI A. VIJAYARAGHAVAN: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether adequate safety measures are on anvil in dams since water level is raising due to copious monsoon rainfall;

(b) if so, the details of safety measures taken including year of construction, present water-level maximum storage capacity of dams situated in Kerala, as on date category-wise;

(c) whether Government have cleaned up the mouth of the spillway of Mullaperiyar Dam situated in Kerala;

(d) if so, the details including period of latest cleaning and the amount spent for the above, category-wise; and

(e) the steps taken to avoid any calamity due to the increased water storage in Mullaperiyar Dam?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAY PRAKASH NARAYAN YADAV): (a) and (b) As reported by the Government of Kerala the following safety measures are taken for the dams owned and operated by Kerala.

- Conducting post-monsoon and pre-monsoon inspection of the dams by the officers in order to assess the condition of the dams.
- Recommendation/suggestions are given to the field officers for urgent rectification works such as repairing of spillway shutters, sluice valves, emergency shutters, removal of vegetation both at upstream and down stream of the dams, etc.

- Where heavy seepage is noticed grouting, guniting, etc. are recommended.
- Regular monitoring of seepage.

A Statement indicating year of construction, present water level, maximum storage capacity of dams located in the State of Kerala is enclosed *(See* below).

(c) and (d) As the Mullaperiyar Dam located in Kerala is owned, operated and maintained by the Government of Tamil Nadu, it has been reported that the Government of Kerala has given clearance to remove the debris and jungle growth in front of the spillway and requested to remove them when the water level comes down to 136 feet (ft.) The debris have been removed in 2001 itself and now there is no debris at this stage, it is only shrub jungle vegetation. The clearing of shrubs and jungle growth has been carried out since 12.8.05 when the water level came below 136 ft.

(e) In order to avoid any calamity, the Government of Kerala has requested Government of Tamil Nadu not to store water above 136 ft. and all the spillway vents should be kept open at this level to let out excess water. Government of Kerala has also asked Tamil Nadu Government to remove vegetation, foreign materials etc. in front of the spillway to facilitate unobstructed flow of water. Besides, the people living down stream were alerted and instructions were issued to evacuate, if necessary.

Statement

Details of safety measures taken including year of construction, present water level and maximum storage capacity of dams in Kerala

SI. No.	Name of Project	Year of completion	Full Reservoir Level (metre)	Gross storage (million cubic metre)	Reservoir level as on 1.8.2005 (metre)
1	2	3	4	5	6
1.	Malapuzha	1966	115.060	226.000	111.800
2.	Neyyar	1973	84.734	106.188	83.850

1	2	3	4	5	6
3.	Kallada	1996	116.204	524.920	111.800
4.	Kanhirapuzha	1995	97.500	70.927	94.400
5.	Kuttiyadi	1998	43.540	120.500	39.670
6.	Pothundy	1971	108.204	50.914	104.851
7.	Mangalam	1966	77.880	25.480	77.650
8.	Vazhani	1962	62.480	18.121	57.760
9.	Peechi	1959	79.250	110.435	74.480
10	Walayar	1964	203.000	18.902	198.580
11	Meenkara	1966	158.360	11.300	156.120
12	Chulliyar	1970	154.030	13.700	150.420
13	Chimoni	1996	79.400	179.240	73.720
14	Survani	1984	878.5	25.5	878.550
15	Mullaperiyar	1985	46.33	443.2	41.900
16	Tunacadavu	1965	539.50	15.770	538.69
17	Parambikulam	1967	556.26	504.660	549.28
18	Peruvaripallam	1971	539.50	17.560	538.69

Check on use of ground water

2968. SHRI N.R. GOVINDRAJAR: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government have issued any directions to the State Governments to take necessary steps to preserve the ground water storage against its unlimited exploitation;

(b) if so, the details thereof and the reaction of the States thereon;

(c) whether Government are contemplating to introduce any special scheme to minimise the use of ground water; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAY PRAKASH NARAYAN YADAV): (a) and (b)